

It is Sunday the 30th August 2009 and here is ANARTS with our weekly RTTY news bringing you - cast 1558.

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

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A.N.A.R.T.S. News Bulletin 1558 for 30th August 2009

The SuitSat-2 project -- an Amateur Radio satellite housed in a Russian spacesuit -- now has a new name to go with a new shape: ARISSat-1. On

Wednesday, August 19, Amateur Radio on the International Space Station

Chairman Gaston Bertels, ON4WF, announced the new name for the satellite and project. According to ARRL ARISS Program Manager Rosalie White, K1ST0, the project team is moving ahead, using the same hardware that was to fly in the Russian Orlan suit. Russia will continue to call the satellite Radioskaf-2, so

ARRL is designating it ARISSat-1/Radioskaf-2.

Due to storage considerations, the two surplus Orlan space suits in storage on the ISS were discarded via the Progress Cargo Vessel earlier this year. One of these suits was to be used to house the electronics for the upcoming SuitSat-2 mission; the batteries were to be mounted inside the suit, solar panels attached to the extremities with the electronics, video cameras and antenna mounted on the helmet by the ISS crew prior to deployment during an extra-vehicular activity, commonly called a spacewalk. The removal of the Orlan space suits from ISS removes the "Suit" component of the deployment and the new name reflects the change in configuration.

White told the ARRL that the ARISSat-1/Radioskaf-2 team, through Gould Smith, WA4SXM, made the final decision for the satellite to be square, with solar panels on all 6 sides. "The team is mounting a 70 cm quarter-wave whip on the bottom and a 2 meter quarter wave whip on the top," she said. "All of the hardware and software goes inside the square, and cameras go on the outside." The experiment being developed by Russia's Kursk State University is expected to be integrated into the electronics once the US-produced equipment is delivered to Russia this fall.

The ARISSat-1/Radioskaf-2 transmitter and receiver will be based on a Software Defined Transponder (SDX) system. It will consist of two major components: The RF Module and the Digital Signal Processor (DSP) module. In the RF module, there will be an up converter that receives a signal from the DSP module as a 10.7 MHz intermediate frequency RF signal with a 50 kHz bandwidth, and up converts it to 145 MHz signal of 50 kHz bandwidth centred on 145.9375 MHz. The receiver is a down converter with a 50 kHz bandwidth centred on 437.6125 MHz. The output of the receiver is a 10.7 MHz RF signal with a bandwidth of 50 kHz. The DSP processor receives the 10.7 MHz signal from the receiver down converter and processes it and outputs a 10.7 MHz signal to the transmitter up converter. The DSP can also inject signals such as the CW ID, telemetry, audio and packet signals as determined by the software on the DSP.

Extracted from the ARRL Letter 28th August 2009

IPS Weekly Solar and Geophysical Report for 21st to 27th August, issued on 28th August by IPS Radio and Space Services.

SUMMARY

Date	21	22	23	24	25	26	27
10cm flux	66	67	67	68	67	67	68
AFr index	6	3	3	1	2	4	(7 estimated)
Aaus index	7	7	5	3	3	3	(5 estimated)
T index	-4	5	3	-8	-8	-4	-9

Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian region was quiet to unsettled on 21st to 23rd and

quiet thereafter.

Southern Australian ionospheric F2 critical frequencies were near predicted on 21st, 24th, 25th and 27th; near predicted to 25 per cent enhanced on 22nd; near predicted to 40 per cent enhanced on 23rd; and near predicted to 15 per cent enhanced on 26th.

Forecast for 28th August to 3rd September.

Very low solar activity is expected. The visible solar disc remains spotless, with no returning active regions.

Geomagnetic activity should see mostly quiet conditions for the forecast period with possible Unsettled conditions on 28th and 29th and 2nd to 3rd due to recurrent coronal hole activity.

Maximum usable frequencies are expected to be near predicted monthly values. Depressed MUF's of 10 to 20 per cent are expected for Equatorial and Northern AUS regions. Isolated disturbed conditions are possible for Antarctic regions.

Courtesy of IPS Radio and Space Services

Summary by Pat Leeper VK2JPA

ARLD034 DX news for 28th August 2009

MALTA, 9H. Members of the Dutch Society of Radio Amateurs will be QRV with special call sign 9H9PA from Qawra from September 5 to 28. Activity will be on 80 to 6 meters using CW, SSB and various digital modes. QSL via PB9ZR.

SOLOMON ISLANDS, H4. Mike, KM9D and Jan, KF4TUG are QRV as H44MY from Rennell Island, IOTA OC-127. Their length of stay is unknown. QSL both calls via OM2SA.

SWITZERLAND, HB. Members of the Tera Radio Club will be QRV as HB9VELO during the month of September to mark the UCI Road World Championships taking place in Mendrisio. Activity will be on all HF bands using CW, SSB, RTTY and PSK. QSL via HB9OCR.

SARDINIA, IS0. Rolf, DL6ZFG will be QRV as IS0/homecall from August 31 to September 18. He will be active holiday style mainly on 40, 30 and 20 meters using all modes. QSL to home call.

JAPAN, JA. Special event station 8J7M will be QRV from Honshu Island, IOTA AS-007, from September 1 to December 31. QSL via bureau.

MARIANA ISLANDS, KH0. Kuro, JH0MGJ is QRV as AL5A/WH0 from Saipan, IOTA OC-086, until August 31. Activity is on 80 to 6 meters. QSL direct via JA7JEC.

LUXEMBOURG, LX. Operators Theo, PA1TK, Kees, PA5WT and Rob, PA3GVI will be QRV as LX/homecalls from September 4 to 7. Activity will be on 80 to 10 meters using CW and SSB. Another station will be active on 2 meters in the upcoming IARU VHF contest. QSL to home calls.

ALAND ISLANDS, OH0. Peter, OH0JWL, Horst, OH0/DF6FL and Siegfried, OH0/DL9ZE are QRV from Eckeroe until September 12. Activity is mainly on 20, 17, 15 and 10 meters using CW, SSB and RTTY. QSL to home calls.

DENMARK, OZ. Ric, DL2VFR is QRV as OZ0FR/p from the Vesborg Fyr Lighthouse, ARLHS DEN-046, on Samsoe Island, IOTA EU-172, until September 4. Activity is on the HF bands using mostly CW. QSL to home call.

PAPUA NEW GUINEA, P2. Allan, VK2GR is QRV as P29CW until December from the Western Province while on work assignment with the Australian Doctors International. Activity is in his spare time. QSL direct via VK2IR.

GREECE, SV. Gabi, HA1YA is QRV as J48YA from Thassos Island, IOTA EU-174, until September 8. QSL via operator's instructions.

CANADA, VE. George, K3GV will be QRV as homecall/VY2 from Prince Edward Island, IOTA NA-029, from September 1 to 28. Activity will be mainly on 20 and 15 meters. QSL to home call.

The Ohio/Penn DX Bulletin No. 922 - excerpts

3D2, FIJI

Operators Jacek/SP5EAQ and Jacek/SP5DRH will be active as 3D2MJ and 3D2KJ, respectively, from Viti Levu (OC-016), starting October 1st for four weeks. Activity will be on all bands, but with an emphasis on the lower bands. They plan to use two stations with small amps and vertical antennas. QSL via their home call signs.

4W, TIMOR-LESTE

Currently, two operators are active from here. Al, CT1GPQ, now active as 4W6AL, will be there until October 3rd. Remember, this is "NOT A DXpedition"! CT1GPQ is in Timor-Leste with a medical team and radio operations will take place only during his spare time. He was heard this past weekend on 20 meters CW at various times between 0800-1300z. QSL via Toze, CT1GFK. Online log is now available at: <http://algarvedx.com>

Second operator is Chris, VK4FR, now active as 4W6FR, will be there until mid-October. He is also on a work assignment. Chris was heard this past weekend

mainly on 30 and 20 meters using PSK31. QSL 4W6FR via VK4FW.

5B, CYPRUS (New IPA Op!)

Gab, HA3JB, will be active as 5B/HG3IPA between September 25th and October 2nd.

This is a new IPA activation and is valid for HA-IPARC Award (Hungarian International Police Association). Find IPARC Award info at:

<http://www.ha3jb.com/award.html>

Gab plans to be in the CQWW RTTY Contest (September 26-27th). Online log will be available on his Web page at:

<http://www.ha3jb.com>

ADDED NOTE: Gab reports, "I'm very sorry that the 3A/HG3IPA expedition was postponed due to technical reasons."

9H, MALTA

Members of the Dutch Society of Radio Amateurs (VRZA) will once again be active using their special callsign 9H9PA from Qawra between September 5-28th. Activity will be on 80-6 meters using CW, SSB and the Digital modes. QSL via PB9ZR, by the Bureau or direct to: Ruben van der Zwet, Van Speykstraat 238, 2161 VT Lisse, The Netherlands. NO IRC coupons, they are not valid anymore in the Netherlands (2 USDs only).

AH0, MARIANA ISLANDS

Kuny/W1FPU (7L1FPU) and his nine-year son Yoshiki/ KH0UA (JF1UCV), Tomo/N2QP (JQ10CR), his wife Yuri/KE7TWK, Hajime/AH0BR and Moto/W1NDE will be active from the Mariana Islands between September 4-7th. Activity will include a Multi/Multi entry in the All Asian DX SSB Contest (September 5-6th) as AH0BT. QSL via 7L1FPU, by the Bureau and direct.

FT/G, GLORIOSO ISLAND (Update)

Didier, F50GL, Glorioso 2009 team leader, announced this past week (on August 19th) that "the Glorioso 2009 team has in hand the flight tickets from Paris CdG to the St. Denis Reunion Island airport. The departure is scheduled on September 11th and the return on October 8th. The information about the French Forces Transall flight from Saint Denis to Grande Glorieuse will be published as soon as the FASZ0I Hq will have confirmed them. (FASZ0I = French Armed Forces for the South Indian Ocean Zone) The stay on Grand Glorieuse is considered having about three weeks length. All the gear has been picked up and is now ready packed on pallets to be sent to the Reunion island in the next few days. Thanks especially for that to the Provins ARC, F6KOP members Serge, F6AML and Frank, F4AJQ." For more details and updates, visit the FT5GA Web page at:

<http://glorieuses2008.free.fr>

HL9, SOUTH KOREA (Update/Attention PFX Hunters!)

Mike, KE7WRJ, will be here for over 2 months starting September 9th. He plans to be active as HL9QST, September 10th, but no later than 11th. This is a rare prefix only assigned to U.S. Service members assigned to Korea. His tentative schedule is to operate from 4 different locations in South Korea as follows:

September 10-12th: Seoul

September 14-24th: Camp Casey

September 25th-October 18th: Camp Humphreys

October 19-29th: Camp Carroll

October 30th-November 13th: Seoul

Activity will be on 40-10 meters, depending on the propagation, using CW and SSB. Operations will be at least 8 hours a day during the week and longer over the weekends. Look for him to be in both the Extra and General portions of the bands. His equipment will consist of a 5000A by Flex Radio, a "3 element Yagi in a Bag" from Super Antennas. QSL via KE7WRJ, direct or LoTW.

IOTA NEWS

EU-008. Operators Ivan/G3IZD, Nick/G0HIK and Norman/G7MRL will be active as GM3IZD, GM0HIK and GM7MRL, respectively, from the Isle of Islay (IOSA NH22, SCOTIA CS25, WLOTA L-1826) between September 12-18th. Activity will be on all HF bands, propagation permitting. QSL direct only to each operator's home callsign.

EU-125. Michael, DK5NA, will be active as 5Q5NA from Romo Island (NS-001 for the Danish islands award) between September 6-25th. Activity will be on all bands, propagation permitting. QSL via his home callsign, bureau is preferred.

EU-172. Ric, DL2VFR, will be active as OZ0FR/p from the Vesborg Fyr Lighthouse (DEN-046) on Samsøe Island (DIA JY-008) between now and September 4th. Activity will be mostly CW on all HF bands. He was spotted this past weekend on 30

meters. QSL via DL2VFR, by the bureau or direct. DO NOT QSL via the OZ Bureau!
 OC-127. Reports indicate that operators Mike/KM9D (H44MY) and Jan/KF4TUG (H44T0)
 are now lying anchor at Tesauma, Rennell Island. They might be active soon. QSL
 via OM2SA.

JD/O, OGASAWARA

Operators Makoto/JI5RPT (JD1BLY) and Taka/J02JDJ (JD1BLP) will be active from
 Chichijima Island (IOTA AS-031) between September 19-22nd. Activity will be on
 40-6 meters using the satellites, CW, SSB and Digi modes. QSL via their home
 callsigns. Log search for JD1BLY will be available on the following Web site:

<http://www.ji5rpt.com/jd1/>

LX, LUXEMBOURG Operators Theo/PA1TK, Kees/PA5WT and Rob/PA3GVI will be active as LX/homecall
 between September 4-7th. Look for Kees and Rob to focus on the HF bands between 80-10 meters using
 CW and SSB. While Theo operates in the IARU VHF Contest on 144 MHz (2m). QSL via their home
 callsigns.

P29, PAPUA NEW GUINEA

Allan, VK2GR, will be active as P29CW from the Western Province between
 September and December. Activity will be only during his spare time because he
 is there working with "Australian Doctors International"

(ADI - <http://www.adi.org.au>)

. Due to the limited availability of power, Allan may not be active on the many
 field trips during his stay. QSL direct to Tommy, VK2IR, with 3 USDs or new
 IRCs. PLEASE NOTE: DO NOT send QSLs to the Papua New Guinea address.

SN120, POLAND (Special Event)

Look for special event station SN1200SP to be active between now and October
 31st. Activity will be on all bands and modes. Operations are to celebrate the
 120th anniversary of the auxiliary fire brigade of the Polish City "Gorowo
 Ilaweckie". QSL via SP4CUF.

T31, CENTRAL KIRIBATI

Craig, N3BQR, will be on a research trip to Phoenix Island (OC-043) and expects
 to be active as T31AA between September 10-25th. Part of his research will
 involve Craig trying to land on at least six of the eight islands in the chain,
 although this is subject to local sea state conditions. Activity is expected on
 20 meters SSB using vertical and/or dipole. QSL route to be announced later.

TI5, COSTA RICA

Operators Lewis/WW4LL and Andrei/EW1AR/NP3D will be active as TI5/homecall
 between September 23-28th. Activity will be on all bands using RTTY, SSB, and
 perhaps some CW. QSL via LoTW, also direct per (QRZ.com) address.

ZK2, NIUE

Koji, JM1CAX (ex-D2NX), will be active as ZK2NX between September 19-25th.
 Activity should be on all bands, especially 30/17/12 meters, mostly CW, but some
 SSB. QSL via JM1CAX, by the Bureau or direct.

The Society can be contacted in the following ways: To Pat VK2JPA via patleeper at optusnet.com.au,
 or you can drop a line to PO Box 93 Toongabbie NSW 2146.

73â€™s from Pat VK2JPA broadcast Officer.